

June 13, 2002

Richard Domenick  
Crown Enterprises, Inc./Central Transport International Inc.  
12225 Stephens Road  
Warren, Michigan 48089

Re: Registered Construction,  
089-15731-00472

Dear Mr. Domenick

The application from Crown Enterprises, Inc./Central Transport International Inc., received on February 1, 2002, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.1 it has been determined that the following crusher, screening and conveyor process, to be located at 1340 – 141<sup>st</sup> Street, Hammond, Indiana, is classified as registered:

A portable crushing process which consists of a crusher, screening, and conveyor to an open pile, with a maximum design rate of 125 tons per hour, and two (2) stock piles with a combined capacity of 25,000 tons. The emissions from this process are uncontrolled.

The following conditions shall be applicable:

326 IAC 2-6 (Emission Reporting)

This source is located in Lake County and the potential to emit VOC is less than ten (10) tons per year. The source is not one of the twenty-eight (28) listed sources and its potential to emit PM10 is less than one-hundred (100) tons per year including fugitive emissions, therefore, 326 IAC 2-6 does not apply.

The source will be required to annually submit a statement of the actual emissions of all federally regulated pollutants from the source, for the purpose of source classification.

326 IAC 5-1 (Opacity)

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions from a facility located in Lake County shall not exceed an average of twenty percent (20%) opacity in twenty-four (24) consecutive readings unless otherwise specified in 326 IAC 6-1-10.1.

326 IAC 6-1-11.1 (Lake County fugitive particulate matter control requirements)

Pursuant to this rule, the average instantaneous opacity of fugitive particulate emissions from a paved road, unpaved roads, and parking lots shall not exceed ten percent (10%). Fugitive emissions from all other processes at the source shall not exceed ten percent (10%).

326 IAC 6-1-11.2 (Lake County Particulate Matter Contingency Measures)

Pursuant to this rule, the Permittee shall comply with the applicable provisions of 326 IAC 6-1-11.2 (Lake County Particulate Matter Contingency Measures).

326 IAC 6-4 (Fugitive Dust Emissions)

This source is subject to 326 IAC 6-4 for fugitive dust emissions. Pursuant to this rule, fugitive particulate matter emissions shall not be visibly crossing the property lines.

This registration is the first air approval issued to this source. The source may operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the Office of Air Quality and the Hammond Department of Environmental Management that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.1-2(f)(3). The annual notice shall be submitted to:

Compliance Data Section  
Office of Air Quality  
100 North Senate Avenue  
Indianapolis, IN 46206-6015

and

Hammond Department of Environmental Management  
Air Pollution Control Division  
5925 Calumet Avenue  
Hammond, Indiana 46320

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Hammond Department of Environmental Management (HDEM) and the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,

Ronald L. Novak, Director  
Hammond Department of Environmental Management

KM

cc: Permits Administration - Mindy Hahn  
Technical Support and Modeling - Michele Boner  
Compliance Data Section - Karen Nowak

<b>Registration Annual Notification</b>
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This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3)

<b>Company Name:</b> Crown Enterprises, Inc./Central Transport International Inc.
<b>Address:</b> 1340 – 141 <sup>st</sup> Street
<b>City:</b> Hammond, Indiana 46320
<b>Authorized individual:</b> Richard Domenick
<b>Phone #:</b> (810) 343-9055
<b>Registration #:</b> R089-15731-00472

I hereby certify that Crown Enterprises, Inc. is still in operation and is in compliance with the requirements of Registration 089-15731-00472

<b>Name (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Date:</b>

**Indiana Department of Environmental Management  
Office of Air Quality  
and  
Hammond Department of Environmental Management  
Air Pollution Control Division**

**Technical Support Document (TSD) for a Registered Source**

**Source Background and Description**

<b>Source Name:</b>	Crown Enterprises, Inc./Central Transport International Inc.
<b>Source Location:</b>	1340 – 141 <sup>st</sup> Street, Hammond, Indiana 46320
<b>County:</b>	Lake County
<b>SIC Code:</b>	1429 – Crushed and Broken Stone
<b>Operation Permit No.:</b>	089-15731-00472
<b>Permit Reviewer:</b>	Kristina Massey

The Hammond Department of Environmental Management (HDEM) has reviewed an application from Crown Enterprises, Inc. relating to the construction and operation of a crusher, screening and conveyor, along with an open stock pile of processed materials. This process will be used to prepare the site for construction by removing concrete and slag from the above location, owned by Central Transport International Inc.

**Permitted Emission Units and Pollution Control Equipment**

The source consists of the following permitted emission units and pollution control devices:

A crushing process which consists of a crusher, screening, and conveyor to an open pile, with a maximum design rate of 125 tons per hour, and two (2) stock piles with a combined capacity of 25,000 tons. The emissions from this process are uncontrolled.

**Unpermitted Emission Units and Pollution Control Equipment**

There are no unpermitted facilities operating at this source during this review process.

**Existing Approvals**

This is the first permit issued to the source.

**Enforcement Issue**

There are no enforcement actions pending.

**Recommendation**

The staff recommends to the Director that the construction and operation be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

A complete application for the purposes of this review was received on February 1, 2002.

## Emission Calculations

See Appendix A of this document for detailed emissions calculations (two (2) pages).

## Potential To Emit

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emissions unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, the department, or the appropriate local air pollution control agency.”

Pollutant	Potential To Emit (tons/year)
PM	22.01
PM-10	10.48
SO <sub>2</sub>	N/A
VOC	N/A
CO	N/A
NO <sub>x</sub>	N/A

The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM-10 is less than 100 tons per year. Therefore, the source is not subject to the provisions of 326 IAC 2-7. The source has potential emissions greater than 10 tons of PM-10 therefore 326 IAC 2-5 (registration) is applicable. Pursuant to Hammond Ordinance 3522 (as amended), the Company will receive a local construction and operation permit for this process.

## Actual Emissions

No previous emission data has been received from the source.

## County Attainment Status

The source is located in Lake County.

Pollutant	Status
PM-10	Moderate nonattainment
SO <sub>2</sub>	Primary nonattainment
NO <sub>2</sub>	Unclassifiable/attainment
Ozone	Severe nonattainment
CO	Unclassifiable/attainment
Lead	Unclassifiable/attainment

Lake County has been classified as nonattainment for PM-10. Therefore, these emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3.

## Source Status

New Source Emission Offset Definition (emissions after controls, based on 8,760 hours of operation per year at rated capacity and/ or as otherwise limited):

Pollutant	Emissions (ton/yr)
PM	22.01
PM10	10.48
SO <sub>2</sub>	N/A
VOC	N/A
CO	N/A
NO <sub>x</sub>	N/A
Single HAP	N/A
Combination HAPs	N/A

This new source is **not** a major stationary source because PM10 is not emitted at a rate of 100 tons per year or greater. Therefore, pursuant to 326 IAC 2-3, the Emission Offset requirements do not apply.

#### Part 70 Permit Determination

##### 326 IAC 2-7 (Part 70 Permit Program)

This new source is not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons/year.

This is the first air approval issued to this source.

#### Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this source.

This process is not subject to the New Source Performance Standard 326 IAC 12, 40 CFR 60.670 through 60.676, Subpart OOO, because the capacity is less than 150 tons per hour.

- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63) applicable to this source.

#### State Rule Applicability - Entire Source

##### 326 IAC 2-6 (Emission Reporting)

This source is located in Lake County and the potential to emit VOC is less than ten (10) tons per year. The source is not one of the twenty-eight (28) listed sources and its potential to emit PM10 is less than one-hundred (100) tons per year including fugitive emissions, therefore, 326 IAC 2-6 does not apply.

The source will be required to annually submit a statement of the actual emissions of all federally regulated pollutants from the source, for the purpose of source classification.

## **State Rule Applicability - Individual Facilities**

### 326 IAC 2-9 (SSOA)

Pursuant to 326 IAC 2-9-8, the process does not meet the definition of a crushed stone processing plant.

### 326 IAC 5-1 (Opacity)

Pursuant to 326 IAC 5-1-2 (Visible Emissions Limitations), except as provided in 326 IAC 5-1-3 (Temporary Exemptions), visible emissions from a facility located in Lake County shall not exceed an average of twenty percent (20%) opacity in twenty- four (24) consecutive readings unless otherwise specified in 326 IAC 6-1-10.1.

### 326 IAC 6-1-11.1 (Lake County fugitive particulate matter control requirements)

Pursuant to this rule, the average instantaneous opacity of fugitive particulate emissions from a paved road, unpaved roads, and parking lots shall not exceed ten percent (10%).

### 326 IAC 6-1-11.2 (Lake County Particulate Matter Contingency Measures)

Pursuant to this rule, the Permittee shall comply with the applicable provisions of 326 IAC 6-1-11.2 (Lake County Particulate Matter Contingency Measures).

### 326 IAC 6-4 (Fugitive Dust Emissions)

This source is subject to 326 IAC 6-4 for fugitive dust emissions. Pursuant to this rule, fugitive particulate matter emissions shall not be visibly crossing the property lines.

### 326 IAC 6-5 (Fugitive Particulate Matter Emissions)

326 IAC 6-5, for fugitive particulate matter emissions, does not apply because the source is located in Lake County and does not have the potential fugitive particulate matter emissions of twenty-five (25) tons per year or more.

## **Conclusion**

The construction of this crushing, screening and conveying process shall be subject to the conditions of the attached proposed Registration.

# ALABAMA POWER LAW (CDS)/EIS CALCULATIONS

Crown Enterprises, Inc.  
1340 - 141st Street  
Hammond, Indiana 46320

PLANT ID NO: N/A  
INSP DATE: N/A  
CALC DATE: 3/13/02

CALCULATIONS BY: Kristina Massey

YEAR OF DATA: **Review**

NO. OF POINTS: 3

## \*\*NOTES\*\*

EF: EMISSION FACTOR  
CE: CONTROL EFFICIENCY

MDR: MAXIMUM DESIGN RATE  
MDC: MAXIMUM DESIGN CAPACITY

Ts: STACK DISCHARGE TEMPERATURE  
UNITS FOR EMISSIONS ARE IN (TPY) EXCEPT WHERE GIVEN

## POINT ID: Crusher

MDR (T/hr): 125  
YEARLY PROD (T/yr):  
STACK ID (DIAM:HEIGHT): N/A  
FLOWRATE (ACFM): N/A  
Ts(°F): N/A

CNTRL DEV: None

PERMITTED OPERATING HRS: **8760** hr/yr

SCC NO. 3-05-02-002			POTENTIAL EMISSIONS						ALLOWABLE		COMPANY ACTUAL	
			BEFORE CONTROLS			AFTER CONTROLS					BEFORE CONTROLS	AFTER CONTROLS
POLLUTANT	EF(LB/T)	CE (%)	(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)	(lbs/hr)	(TPY)		
PM	0.0315	0	3.9375	94.5000	<b>17.2463</b>	3.9375	17.2463	#VALUE!	3.9375	17.2463	#VALUE!	#VALUE!
PM10	0.015	0	1.8750	45.0000	<b>8.2125</b>	1.8750	8.2125	#VALUE!	1.8750	8.2125	#VALUE!	#VALUE!
SOx	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!
NOx	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!
VOC	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!
CO	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!
LEAD	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!

Per AP-42 PM emission factors can be estimated as 2.1 times PM-10 emission factors

## POINT ID: Screening/Convey/Handling

MDR (T/hr): 125  
YEARLY PROD (T/yr):  
STACK ID (DIAM:HEIGHT): N/A  
FLOWRATE (ACFM): N/A  
Ts(°F): N/A

CNTRL DEV: None

PERMITTED OPERATING HRS: **8760** hr/yr

SCC NO. 3-05-02-002			POTENTIAL EMISSIONS						ALLOWABLE		COMPANY ACTUAL	
			BEFORE CONTROLS			AFTER CONTROLS					BEFORE CONTROLS	AFTER CONTROLS
POLLUTANT	EF(LB/T)	CE (%)	(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)	(lbs/hr)	(TPY)		
PM	0.00294	0	0.3675	8.8200	<b>1.6097</b>	0.3675	1.6097	#VALUE!	0.3675	1.6097	#VALUE!	#VALUE!
PM10	0.0014	0	0.1750	4.2000	<b>0.7665</b>	0.1750	0.7665	#VALUE!	0.1750	0.7665	#VALUE!	#VALUE!
SOx	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!
NOx	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!
VOC	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!
CO	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!
LEAD	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!

Per AP-42 PM emission factors can be estimated as 2.1 times PM-10 emission factors



POINT ID: Open Pile Storage

MDR (T/hr): 2.85  
YEARLY Storage (T/yr):

STACK ID (DIAM:HEIGHT): N/A  
FLOWRATE (ACFM): N/A  
Ts(°F): N/A

CNTRL DEV: None

PERMITTED OPERATING HRS: **8760** hr/yr

SCC NO. 3-05-02-002			POTENTIAL EMISSIONS						ALLOWABLE		COMPANY ACTUAL	
POLLUTANT	EF(LB/T)	CE (%)	BEFORE CONTROLS			AFTER CONTROLS			(lbs/hr)	(TPY)	BEFORE CONTROLS	AFTER CONTROLS
			(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)				
PM	0.252	0	0.7192	17.2603	<b>3.1500</b>	0.7192	3.1500	#VALUE!	0.7192	3.1500	#VALUE!	#VALUE!
PM10	0.12	0	0.3425	8.2192	<b>1.5000</b>	0.3425	1.5000	#VALUE!	0.3425	1.5000	#VALUE!	#VALUE!
SOx	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!
NOx	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!
VOC	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!
CO	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!
LEAD	0	0	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	#VALUE!	#VALUE!

Per AP-42 PM emission factors can be estimated as 2.1 times PM-10 emission factors

## TOTALS

POLLUTANT	POTENTIAL EMISSIONS						ALLOWABLE		COMPANY ACTUAL	
	BEFORE CONTROLS			AFTER CONTROLS			(lbs/hr)	(TPY)	BEFORE CONTROLS	AFTER CONTROLS
	(lbs/hr)	(lbs/day)	(TPY)	(lbs/hr)	(TPY)	(gr/dscf)				
PM	5.0242	120.5803	<b>22.0059</b>	5.0242	22.0059	#DIV/0!	5.0242	22.0059	0.0000	#VALUE!
PM10	2.3925	57.4192	<b>10.4790</b>	2.3925	10.4790	#DIV/0!	2.3925	10.4790	0.0000	#VALUE!
SOx	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	#VALUE!
NOx	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	#VALUE!
VOC	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	#VALUE!
CO	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	#VALUE!
LEAD	0.0000	0.0000	<b>0.0000</b>	0.0000	0.0000	N/A	0.0000	0.0000	0.0000	#VALUE!

This source is classed "registration"